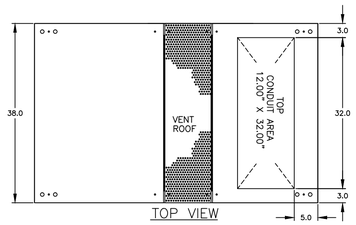
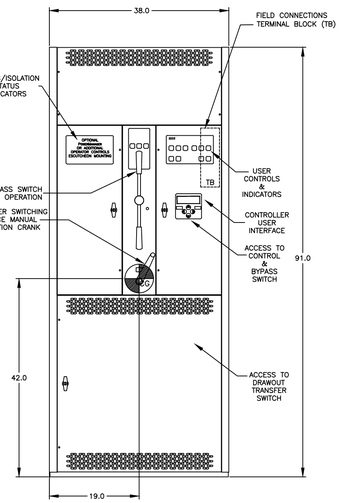
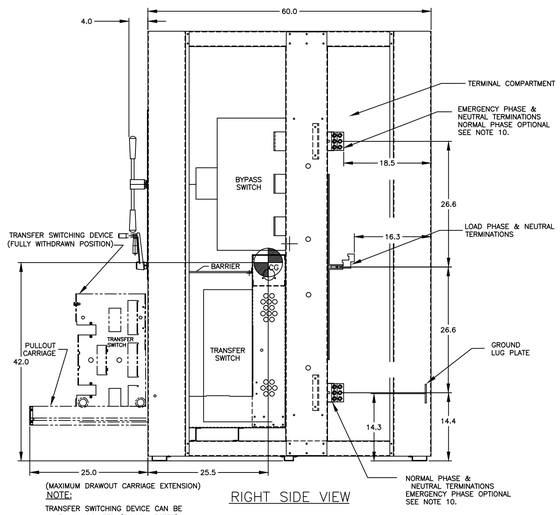


TOP VIEW

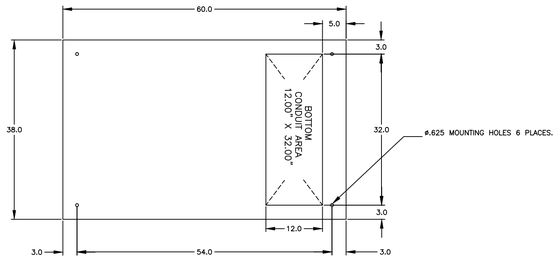


FRONT VIEW



RIGHT SIDE VIEW

NOTE:
TRANSFER SWITCHING DEVICE CAN BE IN FULLY ISOLATED (DISCONNECTED) POSITION WITH DOOR CLOSED.



PLAN VIEW

GENERAL NOTES

1. TYPE 1 ENCLOSURE. FREE STANDING. FLOOR MOUNTED. CODE GAUGE STEEL.
2. NEC STANDARD GAUGE PAN TYPE DOORS WITH LOCKABLE HANDLES AND REMOVABLE COVERS.
3. FINISH: ASA 61 GRAY, POLYESTER POWDER. UL RECOGNIZED.
4. CONSTRUCTION IS IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF UL 1008.
5. PADLOCKING PROVISIONS ARE INCLUDED:
   ISOLATION CRANK: THE TRANSFER SWITCH ISOLATION CRANK MAY BE PADLOCKED WITH THE TRANSFER SWITCH IN THE FULLY ISOLATED (DISCONNECTED POSITION).
6. UNIT CAN BE ADAPTED FOR CONNECTION OF BUS DUCT FLANGES. (CONSULT FACTORY)
7. RECOMMENDED CLEARANCES: FRONT 48 INCHES & REAR 36 INCHES
8. A 20% RATED GROUND BUS IS PROVIDED AT THE BOTTOM REAR OF THE CABLE COMPARTMENT.
9. A FULL RATED NEUTRAL CONNECTION FOR EACH SOURCE AND THE LOAD IS OPTIONAL. WHEN PROVIDED IT IS IN ONE OF THE FOLLOWING FORMATS AS SPECIFIED BY THE CATALOG NO. NUETRAL TYPE;
   A. SOLID NEUTRAL BUS
   B. SWITCHED NEUTRAL POLE
10. THE STANDARD SWITCH CONFIGURATION ISD FOR TOP EMERGENCY, CENTER LOAD, AND BOTTOM NORMAL OPTIONALLY, THE SWITCH MAY BE SUPPLIED WITH REVERSE SOURCES.
    (REFER TO THE WIRING DIAGRAM FURNISHED WITH EACH TRANSFER SWITCH TO DETERMINE TERMINATION POSITIONS).
11. CC CENTER OF GRAVITY

SPECIFICATIONS

1 SYSTEM RATING: 800 AMPS, 1000 AMPS, 1200 AMPS, 1600 AMPS, 2000 AMPS, 3ø, 4W.
2. GROUND BUS– 20% AMPS
3. NEUTRAL BUS: 100% RATED.
4. APPLICABLE LABELS U.L.1008

SHORT CIRCUIT RATING 800 AMPS – 1200 AMPS

SHORT CIRCUIT RATING WHEN PROTECTED BY A CIRCUIT BREAKER WITHOUT AN ADJUSTABLE SHORT TIME RESPONSE: 100,000 RMS SYM @ 480V.
SHORT CIRCUIT RATING WHEN PROTECTED BY A CIRCUIT BREAKER WITH AN ADJUSTABLE SHORT TIME RESPONSE, MAXIMUM 0.50 SECONDS: 65,000 RMS SYM @ 480V.
THE NORMAL & EMERGENCY SOURCE INPUT MUST BE PROTECTED BY A REMOTE OVERCURRENT PROTECTION DEVICE AS LISTED ON THE MARKINGS ON THE TRANSFER SWITCH.

SHORT CIRCUIT RATING 1600 AMPS – 2000 AMPS

SHORT CIRCUIT RATING WHEN PROTECTED BY A CIRCUIT BREAKER WITHOUT AN ADJUSTABLE SHORT TIME RESPONSE: 100,000 RMS SYM @ 480V.
SHORT CIRCUIT RATING WHEN PROTECTED BY A CIRCUIT BREAKER WITH AN ADJUSTABLE SHORT TIME RESPONSE, MAXIMUM 0.50 SECONDS: 65,000 RMS SYM @ 480V.
SHORT CIRCUIT RATING WHEN PROTECTED BY A CIRCUIT BREAKER WITH AN ADJUSTABLE SHORT TIME RESPONSE, MAXIMUM 0.30 SECONDS: 85,000 RMS SYM @ 480V.
THE NORMAL & EMERGENCY SOURCE INPUT MUST BE PROTECTED BY A REMOTE OVERCURRENT PROTECTION DEVICE AS LISTED ON THE MARKINGS ON THE TRANSFER SWITCH.

CABLING NOTES

1. ALL SIZES SUPPLIED STANDARD WITH MECHANICAL (SCREW TYPE) LUGS.
   A. LUG MATERIAL: ALUMINUM ALLOY 6061–T6 WITH ELECTRO TIN PLATED FINISH.
   B. SCREW MATERIAL: ALUMINUM ALLOY 6262–T9 WITH ELECTRO TIN PLATED FINISH.
   C. UL LISTED, CSA CERTIFIED.
   D. LUG SCREW TIGHTENING TORQUE PER UL 486B: 19 FT–LBS.
   E. SUITABLE WIRE BENDING SPACE IS PROVIDED.
2. OPTIONAL COPPER CRIMP LUGS MAY BE SUPPLIED.
   CONSULT FACTORY FOR UL APPROVED OPTIONS.

CABLING NOTES 800 AMPS – 1200 AMPS

1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON NORMAL, EMERGENCY AND LOAD BUS STABS. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF FOUR (4) 300MCM–600MCM CU/AL CABLE.
   A. SUITABLE WIRE BENDING SPACE IS PROVIDED PER NEC
2. OPTIONAL LUGS MAY BE SUPPLIED. CONSULT FACTORY.
3. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS;
   (12) 1/0 – 750MCM CU/AL CABLE

CABLING NOTES 1600 AMPS – 2000 AMPS

1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON NORMAL, EMERGENCY AND LOAD BUS STABS. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF SIX (6) 300 MCM–600MCM CU/AL CABLE.
   A. SUITABLE WIRE BENDING SPACE IS PROVIDED PER NEC
2. OPTIONAL LUGS MAY BE SUPPLIED. CONSULT FACTORY.
3. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS;
   (18) 1/0 – 750MCM CU/AL CABLE

REV. TO SHEET	ECN NO.	BY	APP.	DATE
B	257776 SEE ECN	LY		10/30/15
A	255080 SEE ECN	LY	RN	6/1/15
—	254870 ISSUE	LY		5/19/15

PROJECT NAME:

OUTLINE | MOUNTING

SATB 800A–2000A, S SERIES
TYPE 1 91 X 38 X 60,

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	LY	5/19/15
CHECKED		
PROJECT APPROVAL		
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP–1–003. FOR PLASTIC PARTS SEE MP–1–055

ASSEM. REF. NO.

PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

ASCO® ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.

COMPUTER GENERATED DRAWING

SCALE 1/16" = 1" | SIZE DS

DWG. NO. 910118–009

DRAWING REV. B | ECN NO. 257776 | SHEET 1 OF 1